

INTERNATIONAL SEARCH REPORT

Internat^l Application No

PCT/IB 03/03182

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04Q7/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 169 899 B1 (ROEL-NG MAYA ET AL) 2 January 2001 (2001-01-02) column 2, line 7 - column 3, line 27 column 3, line 64 - column 7, line 12 figures 3-4B	1,4,6,8, 11-14, 16,18-20
A	WO 01 52569 A (NOKIA NETWORKS OY ;KAALL JAN (FI); NAGHIAN SIAMAEK (FI)) 19 July 2001 (2001-07-19) page 5, line 27 - page 7, line 12 page 10, line 15 - page 13, line 8 figures 1,3	1-20



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

23 October 2003

Date of mailing of the international search report

30/10/2003

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6169899	B1	02-01-2001	AU 4751799 A 16-03-2000
			GB 2344024 A 24-05-2000
			US 6272342 B1 07-08-2001
WO 0152569	A	19-07-2001	AU 4048401 A 24-07-2001
			BR 0016943 A 15-10-2002
			CA 2397083 A1 19-07-2001
			CN 1433645 T 30-07-2003
			WO 0152569 A1 19-07-2001
			EP 1247408 A1 09-10-2002
			JP 2003520519 T 02-07-2003
			US 2003148774 A1 07-08-2003